

PROFILE LEGEND

LEGEND

TOP OF BANK

GRADE AND GRAVEL

NEW ROAD

WATERLINE
COTTON WOOD TREE
PICNIC TABLE

△ CONTROL POINT

REVEGETATED AREA
PARKING BLOCK

FENCE

BARRIER ROCK

SIGN

CONCRETE PARKING PAD

MAJOR CONTOUR (5 FOOT INTERVAL)
 MINOR CONTOUR (1 FOOT INTERVAL)
 ROADS AND PARKING- EXISTING
 ROADS AND PARKING - NEW

— FINISH GRADE - CENTERLINE

— EXISTING GRADE - CENTERLINE

EXISTING GRADE - 8' LEFT OF CENTERLINE
 EXISTING GRADE - 8' RIGHT OF CENTERLINE

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J. Kevin McDonnell	4.2015
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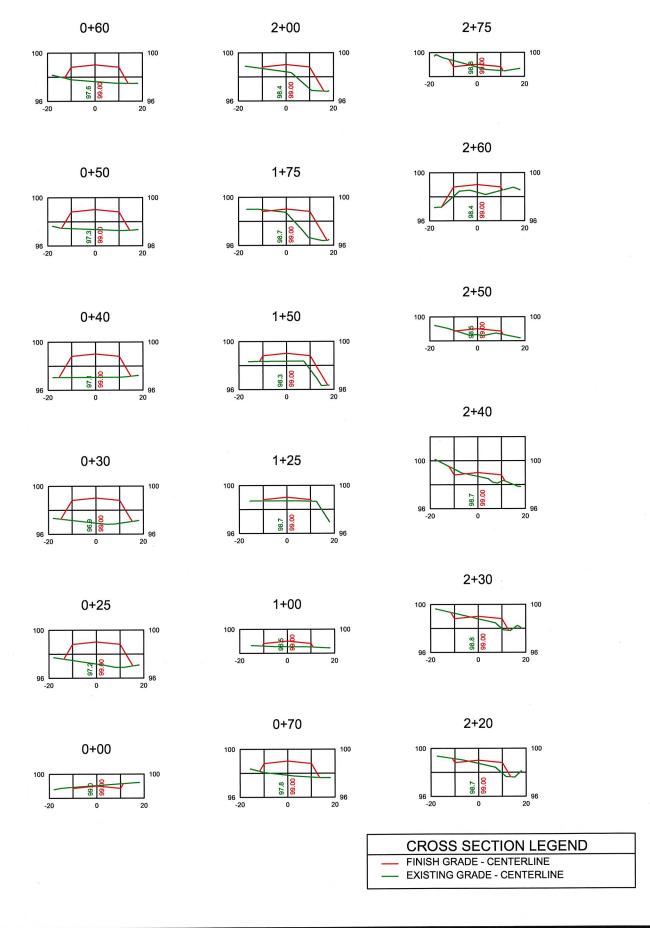
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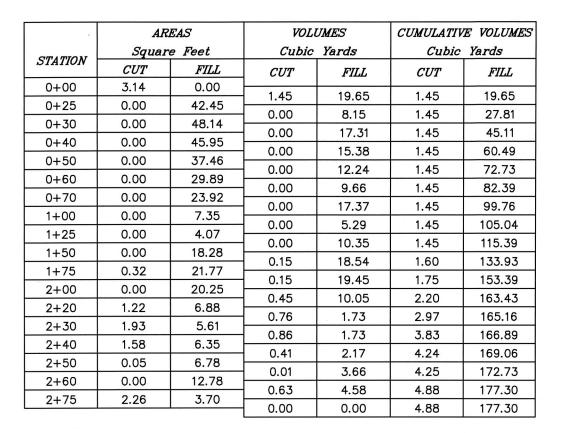


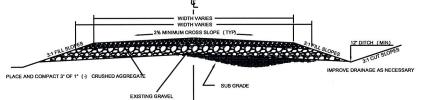
Montana Fish, Wildlife & Parks

NEW ROAD PROFILE Emigrant FAS near Emigrant, MT



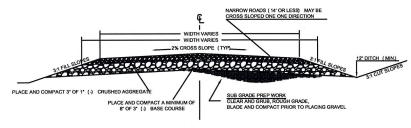






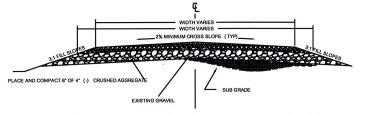
NOTES:

- 1. BLADE THE EXISTING ROAD MATERIAL TO DEPTH SUFFICENT TO REMOVE POTHOLES, WASHBOARDS, RESTORE CROSS SLOPES AND UNIFORM GRADES. 2. IMPROVE THE DRAINAGE DITCHES ADJACENT TO ROADS AS NECESSARY. 3. COMPACT EXISTING GRAVEL SURFACE PRIOR TO PLACING NEW CRUSHED
- 4. PLACE AND COMPACT 3" OF 1" (-) CRUSHED TOP SURFACING 5. NARROW ROADS (LESS THAN 14) MAY BE CROSS SLOPED IN ONE DIRECTION.
- TYPICAL SECTION A: GRADE AND GRAVEL EXISTING ROADS AND PARKING AREAS



- 1. CLEAR AND GRUB AREAS DESIGNATED FOR NEW ROADS AND CAMPING. TOP SOIL DEPTH IS VARIABLE.
- 2. RETAIN STRIPPED TOP SOIL FOR USE ON BOAT RAMP CUT SLOPE OR PLACE IN AREA DESIGNATED BY FWP ENGINEER.
- 3. COMPACT EXISTING ROUGH GRADED SURFACE PRIOR TO PLACING NEW
- GRAVEL BASE COURSE.
- 4 PLACE AND COMPACT 8" OF 3" (-)
 5. PLACE AND COMPACT 3" OF 1" (-)
 6. NARROW ROADS (LESS THAN 14)
 MAY BE CROSS SLOPED IN ONE DIRECTION.

TYPICAL SECTION B: NEW ROAD



- 1. BLADE THE EXISTING AMP MATERIAL TO DEPTH SUFFICENT TO REMOVE POTHOLES, WASHBOARDS, RESTORE CROSS SLOPES AND UNIFORM GRADES. 2. COMPACT EXISTING GRAVEL SURFACE PRIOR TO PLACING NEW CRUSHED
- 3. PLACE AND COMPACT 6" OF 4" (-) CRUSHED TOP SURFACING 4. RAMPS MAY BE CROSS SLOPED IN ONE DIRECTION.

TYPICAL SECTION C : GRADE AND GRAVEL EXISTING BOAT RAMPS NOT TO SCALE

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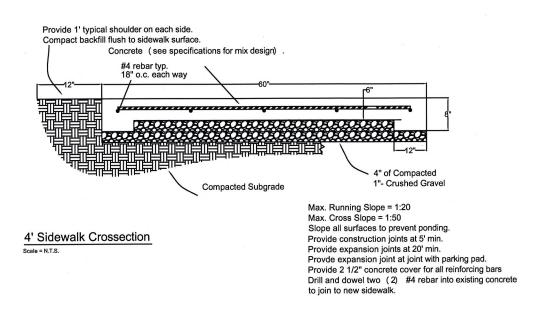


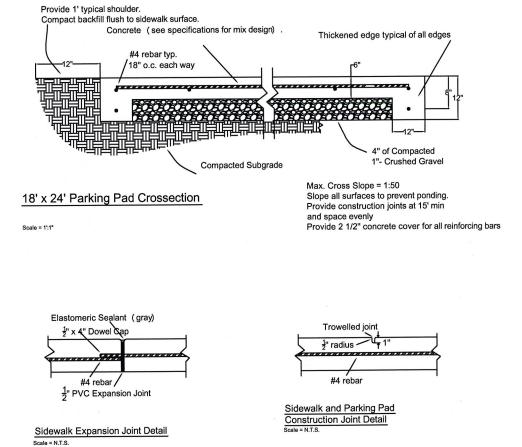
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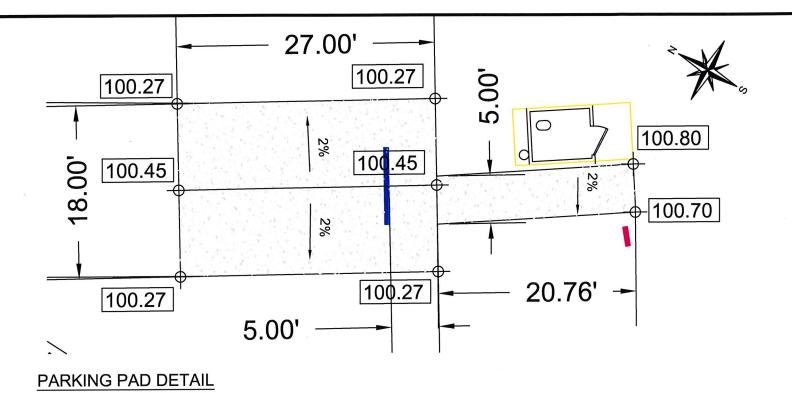
SECTIONS AND VOLUME TABLE Wildlife @ Parks Emigrant FAS near Emigrant, MT

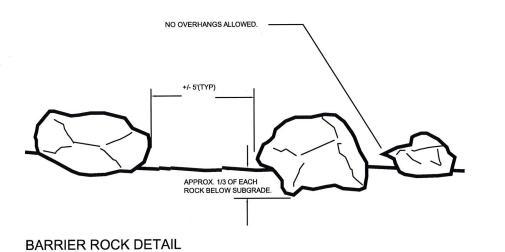


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BARRIER ROCK NOTES:

- 1) LANDSCAPE & BARRIER ROCK WILL BE PLACED AS SHOWN ON PLANS OR AS DESIGNATED BY FWP ENGINEER.
- 2) MINIMUM SIZE SHALL BE 6 CF. NO DIMENSION SHALL BE LESS THAN 1/3 OF
- 3) ROCK SHALL BE HARD, DURABLE WITH NO MAJOR MACHINE MARKS OR BLEMISHES. SUBMIT THE SOURCE INFORMATION TO THE FWP ENGINEER (5)
- 4) BARRIER ROCKS SHALL BE SET SO THAT THEIR LONG AXIS IS PARALLEL TO THE GROUND AND ROAD SURFACING. THERE SHALL BE NO ACUTE ANGLES AT
- 5) APPROXIMATELY I/3 OF EACH ROCK SHALL BE PLACED BELOW GRADE.
- 6) UNLESS OTHERWISE DIRECTED BARRIERS SHALL BE PLACED APPROXIMATELY 5' APART FROM EDGE TO EDGE.
- 7) THE PROPER FINISHED GRADE WILL BE ESTABLISHED AROUND EACH ROCK.

J. Kevin McDonnell 4.2015									
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NOT TO SCALE

PARKING PAD AND BARRIER ROCK DETAILS Wildlife @ Parks Emigrant FAS near Emigrant, MT

